

ANTIMICROBIAL AGENT FOR TREATING FIBER

Patent Number: JP10237763
Publication date: 1998-09-08
Inventor(s): OGA RIE
Applicant(s): SENKA KK
Requested Patent: ☐ JP10237763
Application Number: JP19970078785 19970220
Priority Number(s):
IPC Classification: D06M15/267; A01N33/04
EC Classification:
Equivalents:

Abstract

PROBLEM TO BE SOLVED: To obtain an antimicrobial agent for treating fibers capable of retaining excellent antimicrobial activities for the fibers even after repetitive washing by including a specific copolymer as an essential component therein.

SOLUTION: This antimicrobial agent for treating fibers is obtained by synthesizing a copolymer containing a monomer represented by formula I (R1 and R2 are each H or methyl; R3 and R4 are each a 1-5C alkyl; X<-> is an anionic residue such as a halide ion or nitrate ion) such as diallyldimethylammonium chloride and a monomer represented by formula II (R5 is H or methyl; M is H) such as (meth)acrylic acid as essential components. A fabric such as a polyester or a nylon is padded in an aqueous solution of the antimicrobial agent, squeezed and then heat-treated to insolubilize the copolymer. Thereby, antimicrobial finishing excellent in durability is carried out.

Data supplied from the esp@cenet database - I2